

APC 8882 Multi-Function Calibrator



FEATURES

- ± 0.4 °C thermocouple/ ± 0.3 °C RTD accuracy
- $\pm 0.015\%$ of reading electrical accuracy
- Ten (10) T/C types and eight (8) RTD types, plus YSI 400
- Read and source modes
- Full function 4 to 20 mA read, source, simulate, and read/power modes with $\pm 0.015\%$ of reading accuracy
- Source or read 0 to 20 Volts ($\pm 0.015\%$ of reading accuracy)
- Measure 0 to 250 VDC or VAC
- Direct keyboard entry enables quick output changes
- Store up to nine (9) setpoints for each output function
- RTD function compatible with all pulsed transmitters
- RS232 interface
- Supplied in full rubber boot

The Pyragon APC 8882 Multi-Function Calibrator provides the combination of a high accuracy calibrator and common DMM functions. This single instrument will calibrate virtually any process device — read and source thermocouples, RTDs, Ohms, Voltage, current, frequency, pressure — and test continuity as well. The APC 8882 features a simple user interface, large display, and an RS232 interface.

Fluke® Pressure Modules



The APC 8882 is compatible with 29 Fluke 700 Series pressure modules, available from Pyragon, with

the addition of a simple connector/adaptor. Please refer to the separate Pressure Modules data sheet for ranges and model numbers. (Pressure modules require accessory Model 700MA Module Adapter.)

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 **PYRAGON, INC.**

APC8882 SPECIFICATIONS

Specifications (23 °C ±5 °C unless otherwise noted)

Pressure Ranges	Various ranges in 29 different pressure modules – see separate Pressure Module data sheet		Continuity	0 to 400.0 Ohms, audible tone when under 10 Ohms
T/C Ranges	J, K, T, E, R, S, N, B, L, U including – 10 to 75 mV		Accuracy	T/C Type J: ±0.3°C ±10 µV (±0.4°C total error) RTD Pt 100: ±0.1°C ±.075 Ω (±0.3°C total error) Ohms (400): ±0.1 Ω Ohms (3,200): ±1.0 Ω
RTD Ranges	Pt 385 (100, 200, 500, 1000 Ohms) Pt 392, JIS, Ni120, Cu10, YSI400		mA Compliance	Up to 1,000 Ω load
Ohms Ranges	0 to 400.00 and 400.0 to 3,200.0		Voltage Drive Capability	1 mA
mA Range	0 to 24.000 mA		RTD IEX-Range	0.01 mA to 3 mA
Voltage			RTD Frequency Response	10 ms – works with all pulsed transmitters
(Low) Read	0-20.000 VDC		Operating Temperature	-10°C to 50°C
Source	0-20.000 VDC		Storage Temperature	-20°C to 70°C
(High) Read only	0-250 VDC or VAC		Loop Power	4 AA alkaline batteries, 25 hours typical operating time
Frequency	<u>Source</u>	<u>Measure</u>	mA Compliance	Up to 1,000 Ω load
CPM	2.0 - 1,000.0	0.0 - 1,000.0	Voltage Drive Capability	1 mA
Hz	0 - 1,000	0.0 - 1,000.0	RTD IEX-Range	0.01 mA to 3 mA
kHz	1.0 -10.0	0.00 -10.00	RTD Frequency Response	10 ms – works with all pulsed transmitters
			Operating Temperature	-10°C to 50°C
			Storage Temperature	-20°C to 70°C
			Loop Power	4 AA alkaline batteries, 25 hours typical operating time
			Size	7.5" x 4.0" x 1.5"

Need more performance and features in the field? Try Pyragon's UPC 8888 Multi-Function Calibrator

Measure and source 13 T/C types, 13 RTD types, Ohms, current, Voltage, frequency, and source pulse trains. Calibrate transmitters with the isolated mA/V read-back circuit. Measure pressure with Fluke® 700 Series pressure modules. Drive 4-20 mA loops up to 1000 Ohms with the built-in 24 V supply. Directly enter custom RTD coefficients. Program dedicated setpoints in all source modes. Calibrate almost anything with the highest accuracy in its class — ±0.015% of reading!



Accessories Included

Test leads, 4 AA alkaline batteries, NIST Certificate, and instruction manual

Optional Accessories

Carrying Case, Model CC572
Pressure Module Adapter, Model 700MA



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